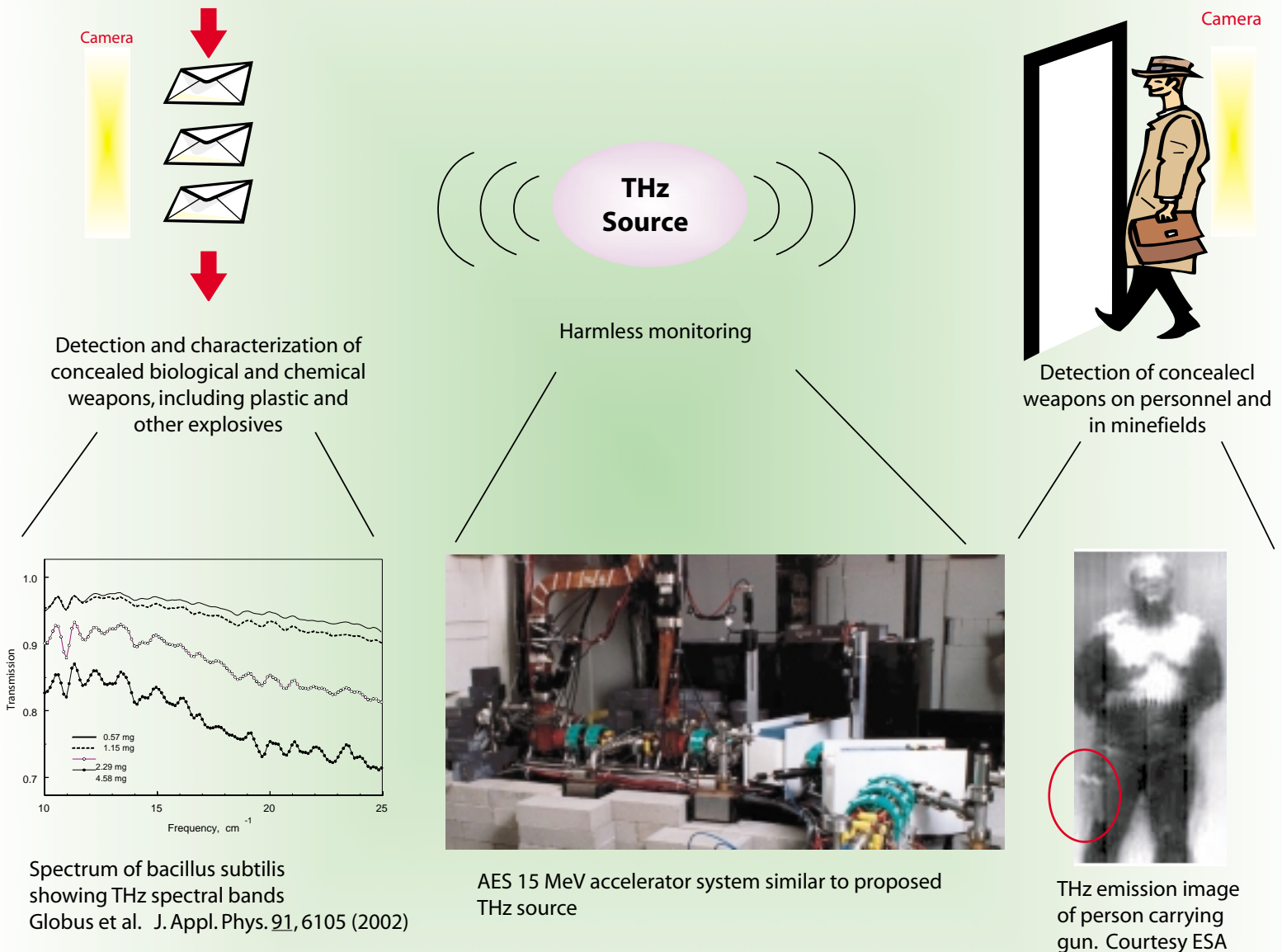


Thomas Jefferson National Accelerator Facility Accelerator and Physics Divisions

Development & Demonstration of a Prototype Terahertz Radiation System for Detection and Characterization of Chemical, Biological and Concealed Weapons

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- THz lies between photonics and electronics (10^{12} Hz)
- Next frontier in imaging technology
- High power for full-field imaging
- Produced by coherent synchrotron radiation emission
- THz beams penetrate many materials

	Year 1	Year 2	Year 3
Proof of principle experiments	=====		
System definition	=====		
Design and fabricate prototype		=====	
Detector development		=====	
Integration & Demonstration			=====